

Federal Motor Carrier Safety Administration
Office of Analysis, Research and Technology

Commercial Vehicle Information
Systems and Networks
2010 Grant Program Highlights

Wednesday, March 24, 2010

Quon Kwan

FMCSA Technology Division



Agenda

Commercial Vehicle Information Systems and Networks (CVISN)

- ◆ National Goal
- ◆ FY 2010 Grant Program Overview
- ◆ Spotlight Projects Funded by Federal CVISN Deployment Grants
- ◆ FY 2010 CVISN Grant Process
- ◆ Available Support and Contact Information

National Goal

- ◆ Every State to have Core CVISN functionality:
 - Safety Information Exchange
 - Commercial Vehicle Information Exchange Window (CVIEW) to upload/download information to Safety and Fitness Electronic Records (SAFER) system
 - Electronic Screening
 - Transponder-based selection system for identifying commercial vehicles for further inspection
 - Electronic Credentialing
 - International Fuel Tax Agreement (IFTA)
 - International Registration Plan (IRP)

FY 2010 CVISN Grant Program Overview

FY 2010 CVISN Grant Program Overview

- ◆ FMCSA's funding mechanism for Intelligent Transportation Systems / Commercial Vehicle Operations (ITS/CVO) for States
- ◆ Grants support the planning, deployment, and operations and maintenance of most ITS/CVO programs and projects
 - States must deploy Core CVISN functionality or be able to demonstrate imminent Core CVISN functionality before using Federal funds for non-Core functionality

FY 2010 CVISN Grant Program Overview (continued)

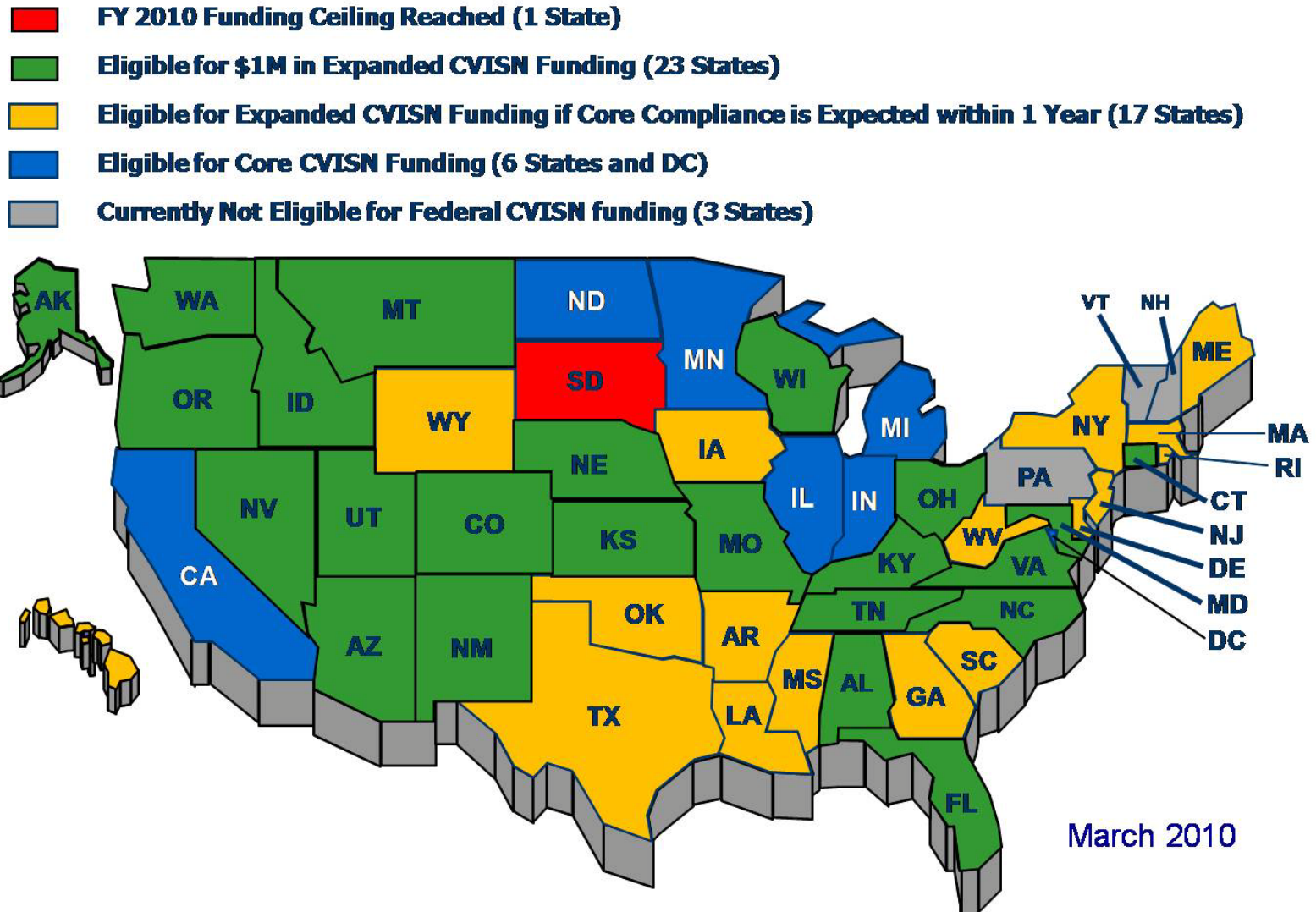
- ◆ \$25 million in Federal CVISN Funds are available for distribution in FY 2010
- ◆ States may apply to receive the maximum amount of funding for which they are eligible
- ◆ Actual awards will depend on availability of funds

Eligibility for CVISN Funding

- ◆ States deploying Core CVISN functionality may receive up to \$2.5 million in Federal CVISN funding
- ◆ Core CVISN Compliant states may receive up to \$1 million per year without a cap on the total amount of Federal CVISN funding that may be received over the life of the State's CVISN program
 - States that will be Core CVISN Compliant within **six months*** also may apply for \$1M in Expanded CVISN funding in FY 2010

*This time period has been changed from one year to six months.

FY 2010 CVISN Funding Eligibility



Spotlight Projects

Types of Expanded CVISN Projects Funded with Federal CVISN Deployment Grants

<u>Type of Expanded CVISN Project</u>	<u>Number of States Using Expanded CVISN Funds to Deploy this Type of Project</u>
Planning	29
Oversize/Overweight (OS/OW) Permitting Systems	20
Virtual Weigh Station (VWS)	20
Expanded E-Screening	14
Expanded Information Sharing	9
Expanded Credentialing	8
Credentialing Portal	8
Roadside Software	6
Staff	4
Mobile Inspection	3
Roadside Communications	3
Roadside Hardware	3
Driver	2
Electronic Payment	2
Performance and Registration Information Systems Management (PRISM)	2
Traveler Information/511	1
Wireless Roadside Inspection (WRI)	1

Planning

Idaho Expanded CVISN Program Plan / Top-Level Design

**Expanded CVISN Program Plan and
Top-Level Design**

For the State of Idaho

September, 2007

Florida Expanded CVISN Program Plan / Top-Level Design

**Expanded Commercial Vehicle Information
Systems and Networks (CVISN) Program Plan
and
Top-Level Design**

For the State of Florida

January 15, 2010



State of Delaware

CVISN Program Plan/Top-Level Design

**June 2006
Revised September 2006**



**EVALUATION OF THE
INTEGRATION OF CVISN
AT THE NOGALES
PORT OF ENTRY**

Final Report 535 (2)

Prepared by:

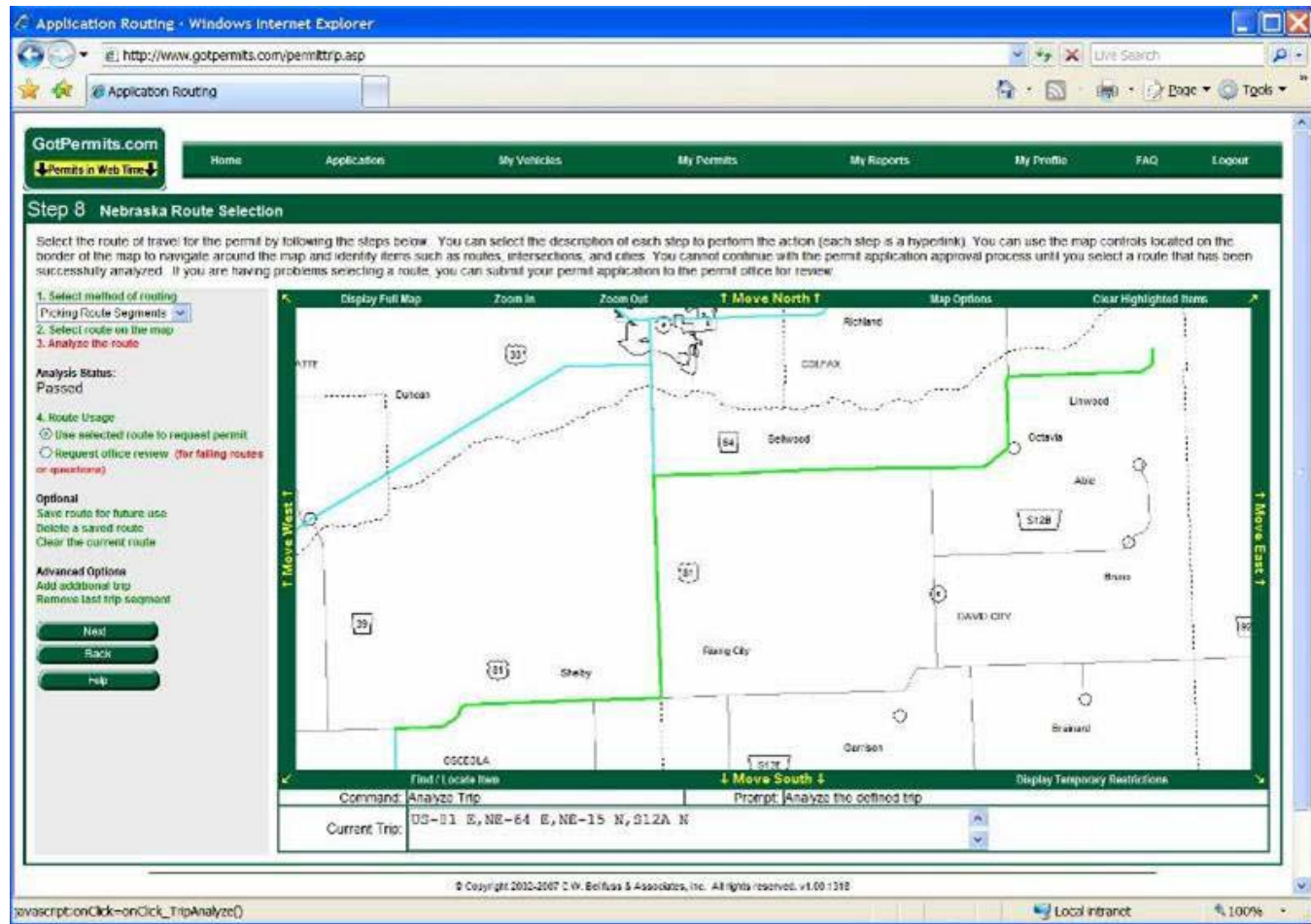
Robert S. Davis, Ph.D.
Data Methods Corporation
605 N. Camino Miramonte
Tucson, AZ 85715

July 2008

Prepared for:

Arizona Department of Transportation
205 South 17th Avenue
Phoenix, Arizona 85007
In cooperation with
U.S. Department of Transportation
Federal Highway Administration

Expanded E-Credentialing Nebraska – Oversize/Overweight Permitting



Expanded E-Credentialing Tennessee – Oversize/Overweight Permitting

Tennessee Department of Transportation 300 James K. Polk Building - 505 Deaderick St. Nashville, Tennessee 37243-0331 - (615) 741-3821	
Permit Number: 20081121000002	
Supplements Permit: 20080918000002	
Service Company:	Service Fax:
Service Attention: 87868	Service Office:
Carrier Contact: Rick Schulte	Carrier Fax:
Carrier Unit: A1101	Carrier USDOT#: 123456789

A permit is hereby issued to Apple Trucking dba Washington Apple Trucks, located in Lorraine, IA, for movement of **STAMPING PRESS** with configuration Tractor Trailer. If the configuration is OGC, the number is .
The trip is from KY to GA via routes: I-75 SB, I-640, I-40, I-75 SB
The known vehicle dimensions are (ft-in): 13-8 wide 110-0 long 14-5 high
The gross weight is 170000 pounds. A minimum of 10 axles is required. Axle limitation of 20,000 pounds is not waived.
Axle weights (lb x 1000): 12.0; 18.0; 18.0; 17.0; 17.0; 18.0; 17.0; 18.0; 18.0; 17.0
Axle spacings (ft-in): 15-0; 5-0; 13-0; 5-0; 13-0; 5-0; 13-0; 5-0; 10-0
This permit is valid from 11/21/2008 through 11/28/2008. Sundays, holidays and nights are excluded.
However, permits for overweight only shall be granted continuous movement.

RESTRICTIONS FOR THIS PERMIT:

- ✓ Rear Escort Required
- ✓ Front Escort Required on Two Lane Routes
- ✓ City Limit travel is not permitted Monday - Friday, between 7am to 9am and between 4pm to 6pm
- ✓ During escort operations, all escort vehicles shall have on-board operable electronic communications equipment.
- ✓ Holiday - No travel permitted on Thanksgiving Day: 11/27/08

The permit is required to be issued by Tennessee Law. The permittee is hereby advised that information supplied herein is not necessarily accurate and is advisory only. Therefore, it is to be used at the sole risk of the permittee, without warranty of accuracy. The recipient is classified as a bare licensee whose duty it is to assume the risk involved in using the roads herein designated.

In accepting this permit, the permittee acknowledges that the permittor is not a guarantor of the safe passage of vehicles. Accordingly, it is the positive duty of the permittee to measure all clearances of highway structures, both laterally and vertically, prior to the passage of the vehicle through their location.

Permit inoperative if road surfaces are affected by ice or snow.

Movement to be marked with signs and flagged in accordance with rules and regulations adopted by this department. All over-width movements shall observe traffic conditions and shall when traffic begins to accumulate behind the movement, pull off the road and allow traffic to pass. Failure to observe this highway courtesy shall be cause for the state enforcement officers to declare permit void.

COLLECT STATE FEE: \$150.50

COMMISSIONER, DEPARTMENT OF TRANSPORTATION

Expanded E-Credentialing Tennessee – CVO Portal



TN Trucking

Trucking resources for the state of Tennessee

Enforcement Permits & Licensing Size & Weight Codes & Regulations FAQs Roads & Weather Related Links Contact Us TN.gov

ARTICLES

Keeping it Legal

LICENSES, PERMITS, REGISTRATIONS, TAXES, RULES...



Keeping it Legal is a major task in any industry. Because we know your desire is to keep on trucking, this website is committed to making your trucking operation experience uncomplicated by supplying all the information you need to operate legally in Tennessee.

Effective January 27, 2010, the Federal Motor Carrier Safety Administration (FMCSA) announced regulatory guidance concerning Texting While Driving a commercial motor vehicle (CMV). The guidance is applicable to all interstate drivers of CMVs subject to the Federal Motor Carrier Safety Regulations (FMCSRs). In Tennessee, use of a hand-held mobile telephone or personal digital assistant is prohibited while driving under [T.C.A. 55-8-199](#). Also, see the [USDOT News Release](#). **NEW**

- [Commercial Driver's License](#)
- [Permits & Registration](#)
- [Size & Weight](#)
- [Commercial Vehicle Enforcement & Buses](#)
- [Codes & Regulations](#)

SEARCH

ON THE ROAD

- [TDOT SmartWay](#)
 - [Traffic Cameras provided by TDOT SmartWay](#)
- [511 Traveler Information](#)
- [National Traffic Info](#)
- [Road & Bridge Closures](#)
- [Vertical Clearances](#)
- [TN Weather Alerts](#)
- [Rest Areas](#)
- [Dial *THP \(*847\) in Emergencies](#)

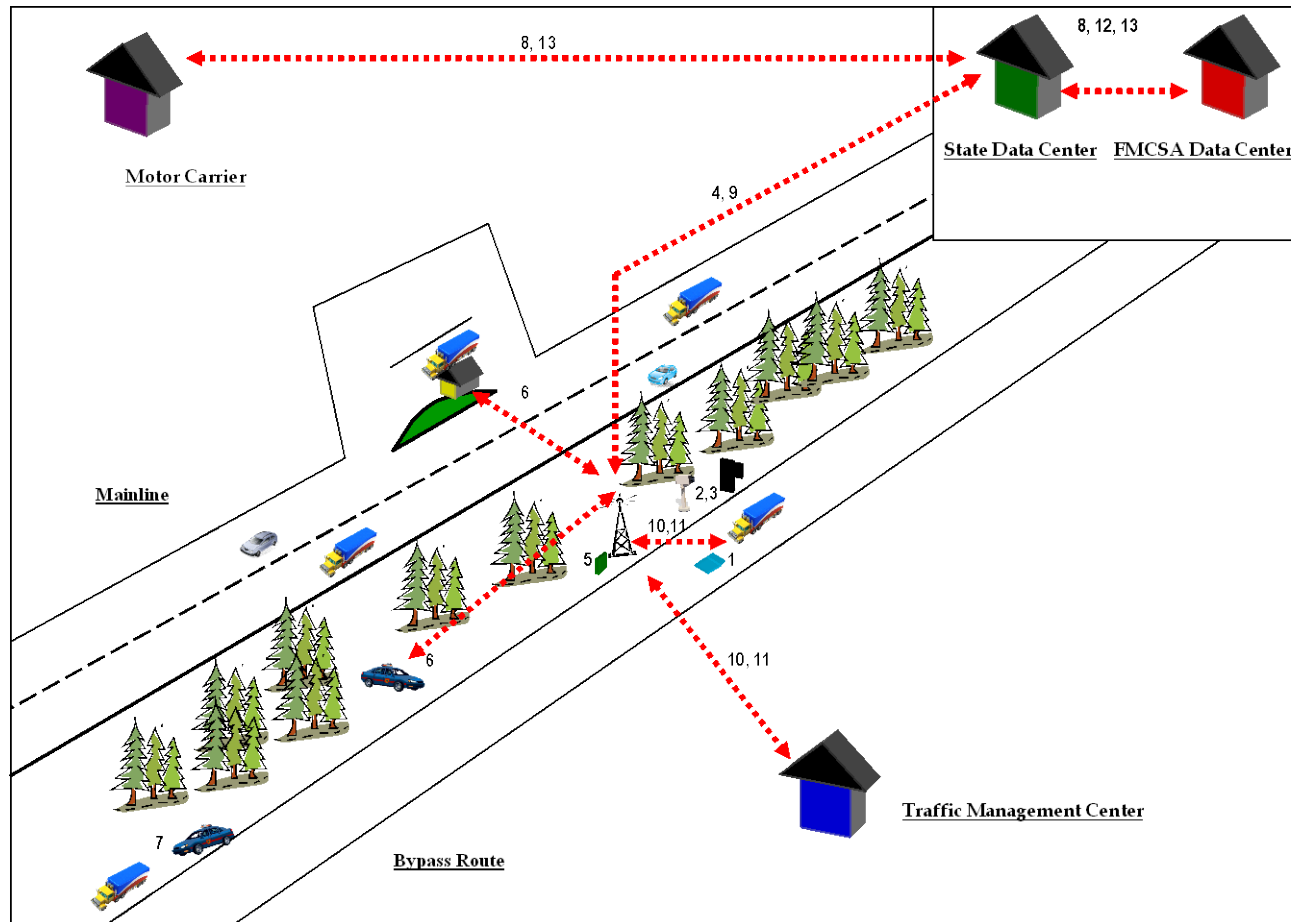
New to Trucking?

HERE'S WHERE TO START

TDOT Smartway Roads & Weather

Interstate 55 Northbound In Shelby County ~...

Smart Roadside Virtual Weigh Station




Source: *Concept of Operations for Virtual Weigh Station*, Cambridge Systematics for the Federal Highway Administration, June 2009.

Florida Virtual Weigh Station








Source: JAXPORT Demonstration, 2008 Smart Roadside Workshop.





Idaho Virtual Weigh Station


**INTERNATIONAL ROAD DYNAMICS INC.**
INTELLIGENT TRANSPORTATION SYSTEMS

Idaho US95 SRMS
Virtual Weigh Station
[Go To Index](#)

US95
Lane: SB Lane All Vehicles — Classes 0.6-74 — Displaying Error Records Sorting by Sort Decision

US95 – SB Lane
   





Record 7000 **Wed Feb 13 08:44:04.95 2008** LANE: SB Lane
CLASS: 9 LENGTH: 76 ft SPEED: 57 mph 18-K ESAL: 4.186
GVW: 81.0 kips MAX GVW: 87.0 kips

|----- 62.3ft -----|

17.3 16.7 16.6 18.1 12.4

AXLE	SEPARATION (ft)	WEIGHT (kips)	ALLOWABLE (kips)
1		12.4	20.0
2	18.4	18.1	18.5
3	4.3	16.6	18.5
4	35.5	16.7	18.5
5	4.1	17.3	18.5

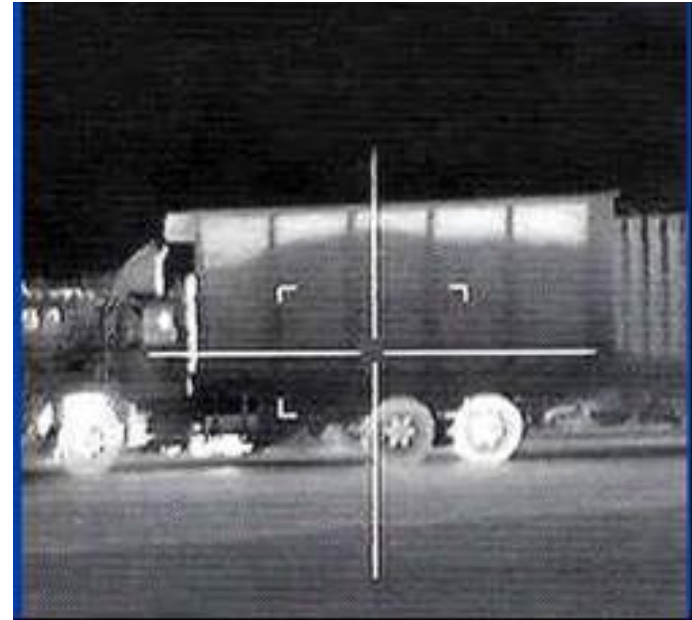
Warning: Overlength

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All Rights Reserved. 

Downloading picture http://66.181.48.50/veh_img/arc/jpeg/20080213.VWE/07000_0_090377.jpeg... Internet 100%

Source: Smart Roadside Monitoring Systems (SRMS) presentation, 2008 CVISN Deployment Workshop.

Expanded E-Screening Florida – Infrared Brake Testing



Source: FDOT CVISN Program Overview presentation, Mike Akridge and Richard Easley, August 27, 2008.

Expanded E-Screening Connecticut – PRISM Integration

Carrier Information			
Carrier Legal Name	A Test Carrier, Inc.	Carrier DBA Name	A Test Carrier
USDOT Number	1999999	Contact Phone Number	
Physical Address			
Interstate Operator?		Active/Inactive?	
SafeStat Category		SafeStat Date	
MCSIP Flag		MCSIP Level	
MCSIP Level Date		MCS-150 Update Date	
Carrier OOS Status		Carrier OOS Date	
ISS Score		ISS Score Date	
IFTA Account Number	CT06999999100	IFTA Base State	CT
IFTA Status	Active	IFTA Status Date	May 27, 2009
No carrier SSRS status information found.			
New Query		Logout	

Roadside Software Alabama – Enforcement Portal

LETS Go
 CARRIER DETAIL
×
CLOSE

Carrier Information

Legal Name	DBA Name	USDOT Number	ICC MC Number(s)
TYROLER METALS INC		1234	
Physical Address	E-Mail Address	TIN Number	
5227 SWEENEY AVE			
CLEVELAND, OH 44127		DUNS Number	Power Units
	Phone Number		
	2166412535	Date Added	Last Updated
Mailing Address	Fax Number	6/1/1974	7/17/2008
5227 SWEENEY AVE	2166416755		
CLEVELAND, OH 44127			

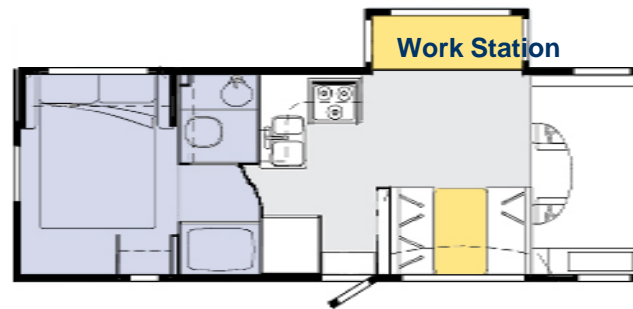
Ratings Information (Summary)
Show Details

OOSO	Authority	Insurance	ISS	SafeStat	IFTA
			97	—	

Vehicle List (3)	Vehicles Summary	Accidents	Inspection Summary	Violation Summary	Vehicle OOS Violations (0)	Drive
Year	Make	Model	VIN	Tag Number	Title Jurisdiction	Re
2000	FRHT	Unavailable	<u>1FUYSDBXLYG96446</u>	LV7271	VA	12
2000	FRHT	Unavailable	<u>1FUYSSB3YLB74038</u>	LY1050	NJ	12
2001	STLG	Unavailable	<u>2FZXEECB01AH60760</u>	LY1067	NC	12

Source: AL Demonstration, 2008 CVISN Deployment Workshop.

Roadside Hardware Alaska – Mobile Inspection Station



Source: Mobile Inspection System presentation by Laura Edwards, AkDOT&PF

Roadside Hardware

Tennessee – Mobile Inspection Station



Roadside Communications



Source: *Overview of Florida CVISN Program, 2008 Smart Roadside Workshop.*

Expanded Information Sharing Massachusetts – Hazardous Materials

The Official Website of the Massachusetts Department of Environmental Protection (MassDEP)

Skip Navigation MassDEP Home Mass Gov Home State Agencies State Online Services 

 **MassDEP** [site map](#) [contacts](#) [search:](#) [find](#)

Massachusetts Department of Environmental Protection

dep home > waste & recycling > permits, reporting & forms

MassDEP Quick Links: [Go](#)

About MassDEP

Public Participation & News

Air & Climate

Water, Wastewater & Wetlands

Waste & Recycling

- priorities & results
- reduce, reuse, recycle
- solid waste facilities
- hazardous waste management
- laws & rules
- permits, reporting & forms**
- grants & financial assistance
- compliance assistance
- enforcement

Toxics & Hazards

Cleanup of Sites & Spills

Service Center

-  [Calendar](#)
-  [My Community](#)
-  [Online Services](#)
-  [Regional Offices](#)
-  [Report Pollution](#)

WASTE & RECYCLING

Hazardous Waste Transporter VID Fee

All Massachusetts-licensed hazardous waste transporters are required to apply annually to the Department of Environmental Protection (MassDEP) for Vehicle Identification Device (VID) cards/stickers. A VID card with a current calendar year VID sticker attached must accompany each shipment of hazardous waste in the vehicle of a licensed transporter.

In November 2002, MassDEP reinstated the VID Fee. The new fee is assessed according to the amount of manifested hazardous waste picked up and/or dropped off in Massachusetts during a 12-month "accounting period." Wastes exempt from the VID Fee are described at 801 CMR 4.07 (4)-(7) and include:

- Wastes resulting from site or spill cleanups conducted under the federal Superfund law or M.G.L. Chapter 21E;
- Specification used oil fuels and other Class A regulated recyclable materials;
- Household hazardous wastes; and
- Off-specification used oil fuels and non-hazardous wastes.

The previous VID Fee was a flat \$200 per vehicle per year. It was overturned in 1993 by the Massachusetts Supreme Judicial Court (SJC), which ruled that a flat fee discriminated against interstate commerce. The new VID Fee was developed consistent with the SJC decision.

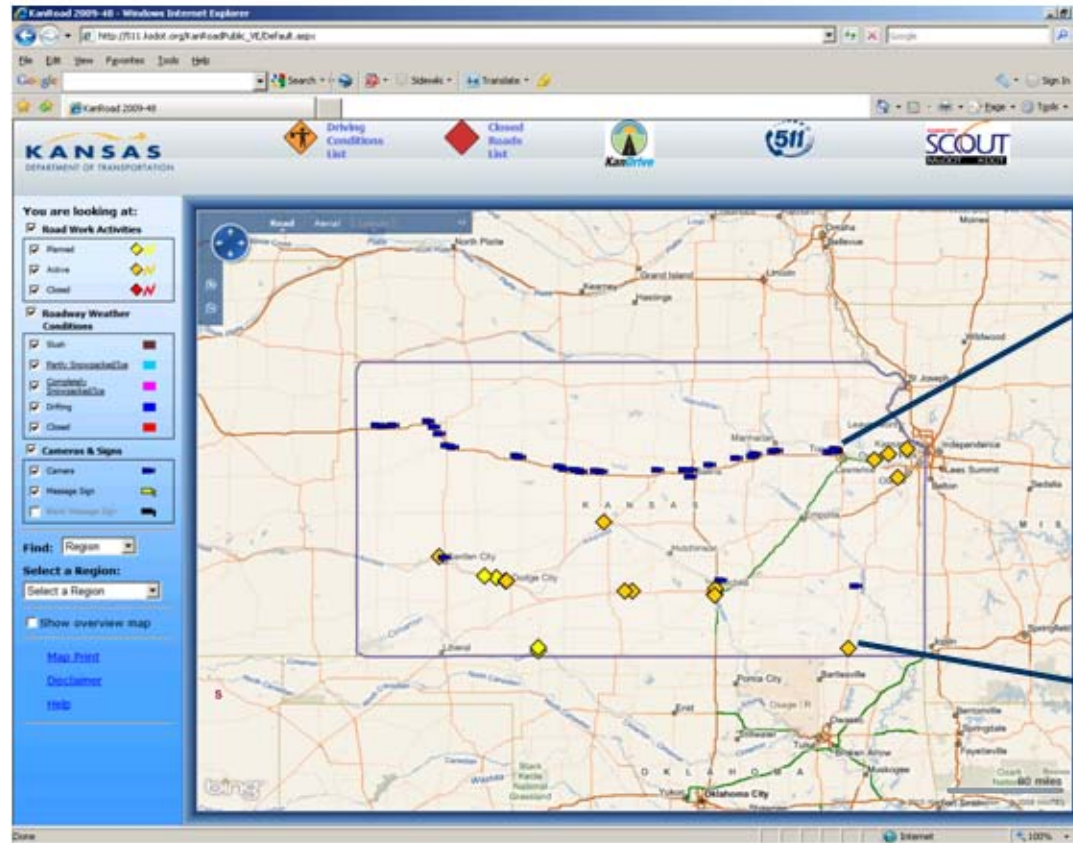
How the VID Fee is Set

The VID Fee is calculated based on actual totals of hazardous waste picked up and/or dropped off in Massachusetts for the prior 12-month "accounting period" ending March 31, as adjusted after any MassDEP audits. The fee is being reinstated in two phases:

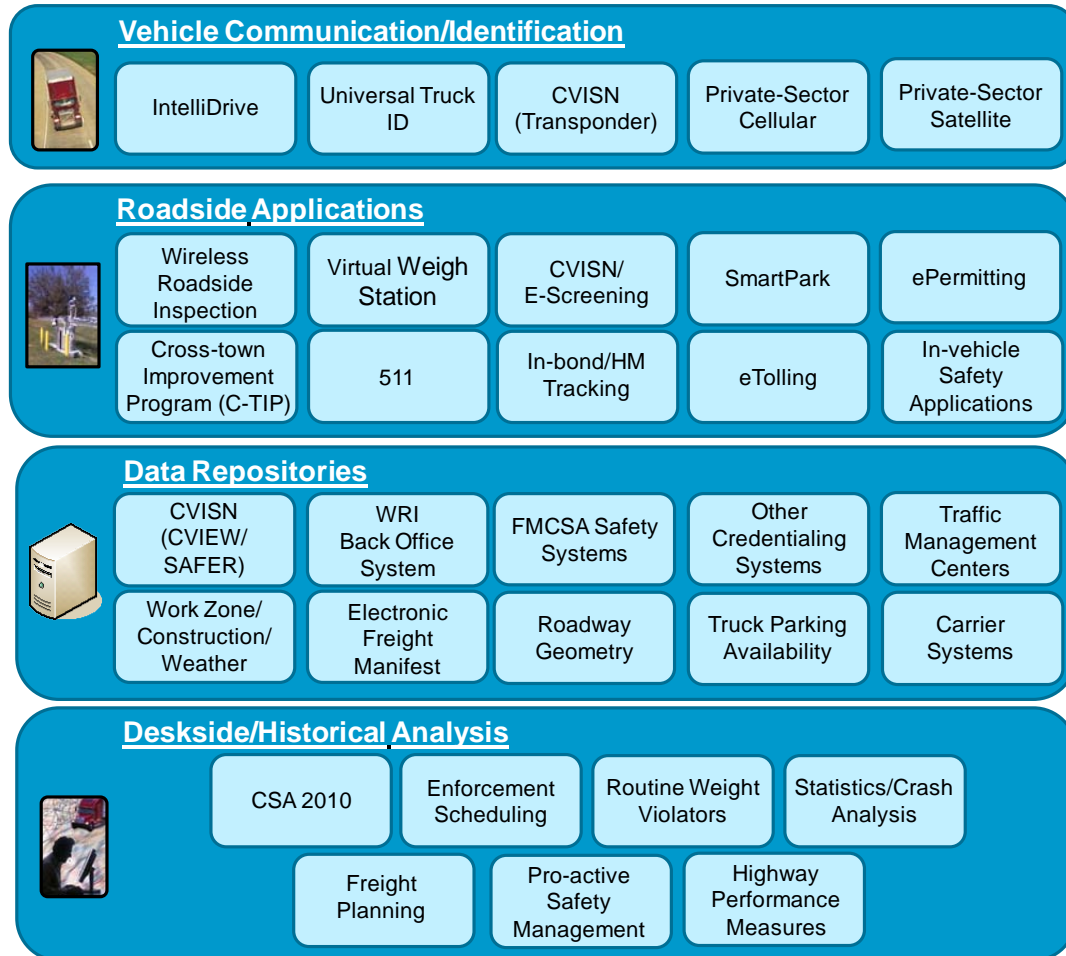
- For calendar year 2003, transporters were assessed a fee of \$0.00084 per pound of non-exempt waste, or \$50, whichever is more.
- For all subsequent years, the VID Fee was set at \$0.0014 per pound, or \$50, whichever is more.

The minimum fee of \$50 if you hauled no hazardous wastes during the accounting period, hauled only exempt waste, or hauled less than 25,744 pounds of non-exempt waste.

Kansas Trucker 511



ITS-CVO Integration



FY 2010 CVISN Grant Process

FY 2010 CVISN Grant Process

- ◆ All CVISN grant information can be accessed via Grants.gov
 - Use keyword “CVISN” as part of “Basic Search,” which can be found at “Find Grant Opportunities”
- ◆ States must submit the following as part of CVISN grant application process
 - Grant Application Package – includes Standard Forms
 - CVISN-specific Project Plan
 - Division Administrator letter of approval

FY 2010 CVISN Grant Process (continued)

- ◆ All grants should be submitted via Grants.gov
- ◆ Notification of your grant submission (via grants.gov) should be sent to:
 - Quon.Kwan@dot.gov
 - Nancy.Magnusson@jhuapl.edu
 - Mary.Stuart@jhuapl.edu

FY 2010 CVISN Grant Process (continued)

- ◆ States are asked to submit grant applications ***ASAP***
 - Funding will be generally awarded on a “first-come, first-served” basis
 - \$18 million remains available for FY 2010

FY 2010 CVISN Grant Process (continued)

- ◆ Federal CVISN Deployment Grants require a 50 percent match
 - A State applying for a \$1M Federal CVISN Deployment grant must identify \$1M in State and/or private funds as match
 - Match can be accrued across a State's CVISN program and over the duration of a grant's period of performance
 - Match is accrued across your entire CVISN program; **NOT** on a project-by-project basis
 - Match must be accrued by the end of grant's Period of Performance; **NOT** when Federal funds are expended

FY 2010 CVISN Grant Process (continued)

- ◆ There are two types of eligible matching funds for Federal CVISN Deployment Grants:
 1. Direct – funds/resources that offset the costs of the specific project towards which the match is applied
 2. Indirect – funds/resources that are related to a state's CVISN program but do not offset the costs associated with the specific project towards which the match is applied

Guidelines for the Use of Indirect Matching Funds

- ◆ Expenses for capital equipment and services made prior to the CVISN Program Agreement's period of performance may be used as match towards a CVISN Grant, in select cases
 - Capital equipment or services must be used as part of a CVISN project during the period of performance of the CVISN Grant Agreement
 - Pro-rated portion of expenses can be used as match

Guidelines for the Use of Indirect Matching Funds (continued)

- ◆ Office of Management and Budget (OMB) Circular A-87
- ◆ “Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments; Final Rule” at 49 CFR Part 18 (October 1, 1999)

Ineligible Sources of Matching Funds

- ◆ Monies received from other Federal programs
 - MCSAP
 - PRISM
 - SaDIP
 - Border
 - CDL
- ◆ Toll credits
- ◆ Funds/resources previously used as match on another Federal grant

Ineligible Sources of Matching Funds (continued)

- ◆ While other Federal sources MAY NOT be used as match, they can be used to defray the costs associated with a CVISN project
 - Reduces the amount of CVISN funding required for a project
 - Reduces the amount of match that is required

Available Support

- ◆ Supporting documents are available on the CVISN Collaboration SharePoint site under the CVISN_GrantInfo document library at:

https://partners.jhuapl.edu/BA/hp/cvisn/CVISNGrants/FY10_Examples/Forms/AllItems.aspx

- Examples of successful FY 2009 grant applications
- Template for quarterly progress reports

Available Support (continued)

- ◆ Customized technical assistance also is available
 - CVISN Program Planning
 - Support for Grant Development
 - Identification of Matching Funds

CVISN Grant Project Plan

Content-Specific Help:

Quon Kwan

Tel: (202) 385-2389

E-mail: quon.kwan@dot.gov

Summary

- ◆ CVISN Grant program is incredibly flexible and can fund most ITS/CVO projects
- ◆ FY 2010 CVISN Deployment Grant Applications should be submitted ASAP
- ◆ Generally, funding is on a “first-come, first-served” basis
- ◆ States have great flexibility in terms of eligible sources of match
- ◆ Be creative, think safety, and think BIG!